

TOSHIBA

Leading Innovation >>>

STORAGE DEVICE DIVISION



MKxx61GSY

2.5-inch SATA HDD

Key Advantages:

- Up to 640GB Storage Capacity
- 3Gb/s Serial ATA, revision 2.6
- 16MB Cache Buffer
- Optional Free-fall Sensor
- Optional Self-Encrypting (SED)*

Applications:

- Notebooks and Small Form Factor PCs
- External Storage
- And more Digital Applications

Specifications:

| | MK1661GSY | MK2561GSY | MK3261GSY | MK5061GSY | MK6461GSY |
|---|-----------|-----------|---------------------------|-----------|-----------|
| Storage Capacity, Formatted | 160 GB | 250 GB | 320 GB | 500 GB | 640 GB |
| Number of Platters | 1 | 1 | 1 | 2 | 2 |
| Number of Heads | 1 | 2 | 2 | 4 | 4 |
| Bytes/ Sector | | | 512 | | |
| Rotational Speed (rpm) | | | 7,200 | | |
| Average Latency | | | 4.16 ms | | |
| Average Seek Time: | | | | | |
| Track-to-Track (seek) | | | 1 ms | | |
| Average seek | | | R: 11ms, W: 12 ms | | |
| Interface: | | | | | |
| Type | | | Serial ATA 2.6 / ATA-8 | | |
| Data Transfer Rate: | | | 3Gb/s | | |
| Buffer (MB) | | | 16 | | |
| Power Requirements: | | | | | |
| Voltage (V); Supply | | | +5V ($\pm 5\%$) | | |
| Sleep (w) | | | 0.13 | | |
| Standby (w) | | | 0.16 | | |
| Read / Write (w) | | | 2.1 | | |
| Spin-up (start) (w) | | | 5.5 | | |
| Physical & Environmental Specifications Dimensions – mm: | | | | | |
| Width x Depth x Height | | | 69.85 x 100.45 x 9.5 mm | | |
| Weight max | 98 g | 98 g | 98 g | 115 g | 115 g |
| Environmental: | | | | | |
| Temp: Operating / Non-operating in °C | | | 5 to 55°C / -40 to 65°C | | |
| Shock Operating / Non-operating | | | 325 G (2ms) / 900 G (1ms) | | |
| Vibration: Operating | | | 1.0G with 5 to 500Hz | | |
| Acoustic Noise (random seek) | 23 dB | 23 dB | 23 dB | 26 dB | 26 dB |
| ROHS Compliant | | | Yes | | |

* SED Option not available in all EMEA countries.

storage.toshiba.eu

